

# MATERIAL SAFETY DATA SHEET

1/1/99

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HMIS  
HEALTH: 2  
FLAMMABILITY: 2  
REACTIVITY: 0  
PERS. PROT. EQUIP: A

For Emergency Information Only (800) 424-9300

NFPA 704

## I - PRODUCT IDENTIFICATION

NUMBER: 902 NAME: Permanent Bond Adhesive CLASS: Asphalt Cutback

## II - HAZARDOUS INGREDIENTS

INGREDIENT/CAS NUMBERS		Occupational Exposure Limits		Vapor
	Percent	TLV	PEL	Pressure
PETROLEUM DISTILLATE	25 - 30%	100 PPM	100 PPM	<5 MMHg @ 100 Deg. F
CAS # 8052-41-3				

## III - PHYSICAL DATA

**BOILING RANGE:** 310-400 Deg. F.  
**VAPOR DENSITY:** Heavier than air.  
**EVAPORATION RATE:** Slower than ether.  
**WEIGHT PER GALLON:** Approx 9.0 Lbs.  
**% VOLATILE VOLUME:** 35 - 40%  
**% WATER VOLUME:** 0%.  
**MAXIMUM V.O.C.:** 250 grams/liter.

## IV - FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY CLASSIFICATION:** - OSHA: II  
**DOT:** Combustible  
**FLASH POINT:** 110 Deg. F  
**LEL:** 1% **EXTINGUISHING MEDIA:** Foam, CO2, Dry Chemical  
**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Water causes fire to spread.  
**SPECIAL FIREFIGHTING PROCEDURES:** None.

## V - HEALTH HAZARD DATA

**EFFECTS OF OVEREXPOSURE:** Headache, nausea, giddiness and loss of consciousness. Nose, throat and eye irritation. Extreme exposure may cause death by paralysis of respiratory center.  
**MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE:** Current anemia, respiratory or liver ailments.  
**PRIMARY ROUTE(S) OF ENTRY:** Inhalation.  
**EMERGENCY AND FIRST AID PROCEDURES:** Move person to fresh air. Apply artificial respiration if needed. Remove contaminated clothing. Wash eyes with water 15 minutes. If swallowed, DO NOT INDUCE VOMITING. CALL PHYSICIAN !!  
**COMMENTS:** The IARC Monographs (Vol. 35) reporting on mice painting studies states that there is sufficient evidence for the carcinogenity in experimental animals of extracts of some asphalts. The same document states that there is inadequate evidence that asphalts alone are carcinogenic to humans.

## VI - REACTIVITY DATA

**STABILITY:** Stable.  
**HAZARDOUS POLYMERIZATION:** Will not occur.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Black smoke, oxides of carbon.  
**CONDITIONS TO AVOID:** Sources of heat and ignition  
**INCOMPATIBILITY (Materials to Avoid):** May react with strong oxidizing materials.

## VII - SPILL OR LEAK PROCEDURES

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Extinguish all sources of ignition in the area. Absorb spilled material with clay, diatomaceous earth or other non-flammable absorbent material. Let dry in safe place.  
**WASTE DISPOSAL METHOD:** Dispose as solid waste in accordance with local regulations.

## VIII - SAFE HANDLING AND USE INFORMATION

**RESPIRATORY PROTECTION:** Not normally required. Spray application releases particulate matter into the air. To prevent inhalation of same, use proper respirator device as recommended by equipment manufacturer.  
**VENTILATION:** Proper ventilation sufficient. To keep vapor concentration below 500 PPM. Close air intake vents on roof during application.  
**PROTECTIVE GLOVES:** None, except to keep hands from becoming black and sticky.  
**EYE PROTECTION:** Glasses to void splashes.  
**OTHER PROTECTIVE EQUIPMENT:** None.  
**HYGIENIC PRACTICES:** Wash skin with soap and water or waterless cleaner. Flush with water for 15 minutes.

## IX - SPECIAL PRECAUTIONS

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** Store away from heat and flame and other sources of ignition.  
**OTHER PRECAUTIONS:** Close air intakes until solvent odor dissipates.

## X - TRANSPORTATION DATA

**D.O.T.:** Regulated  
**SHIPPING NAME:** Combustible Liquid, n.o.s., (contains mineral spirits)  
**HAZARD CLASS:** Combustible Liquid  
**LABEL REQUIRED:** None.  
**I.D. NA1993 Packing Group: III ERG #: 128**